

Madison Reed — Senior Engineer Frontend Challenge Approach

Cristian D. Moreno
Senior Full Stack Web Developer
Villavicencio/Colombia | +573022539479 | kyonax.corp@gmail.com | [Linkedin](#) | [Github](#) | [Personal Web](#)

TIME MANAGEMENT

- The challenge was completed incrementally over ~7 hours of focused work, spread across the evening with short breaks for dinner and personal time.
- Development followed the chronological commit history:
 1. **Initial Configuration & Project Set-up** (2025-09-29 19:03 – 20:46 GMT-5)
 - Set up branches, CI, linting, PostCSS, Vite, SASS architecture, and base app structure.
 - Established variables, mixins, and base typography/colors for consistent styling.
 2. **App Development & Styling** (2025-09-29 22:39 – 23:29 GMT-5)
 - Added global styles, fonts, and fallback CSS to ensure a functional layout pre-bundle.
 - Built core app structure: imported 'GallerySection', setup headers, and created main components.
 - Implemented image fetching logic and error handling for endpoint integration.
 3. **Advanced Component Logic & Final Touches** (2025-09-30 02:27 GMT-5)
 - Completed gallery functionality with 'ImageThumbnail' and 'ImageModal'.
 - Added lazy-loading, responsive image resizing, skeleton loaders, hover effects, and modal open/close logic.
 - Enhanced UX by integrating limit query param, clean error handling, and reactivity improvements.
- The timeline reflects a structured **progressive development approach**, moving from configuration → core functionality → UX/performance enhancements.

KEY NOTES

- Repository: [GitHub Repository](#)
- All code is structured for readability and maintainability.
- Decisions, assumptions, and trade-offs are documented in the **README**.
- The whole development process and some specific technical details were also documented in the **CHANGELOG**.

CONTACT

For additional details or questions, contact via email or LinkedIn.